Department of the Interior
National Park Service
Yellowstone National Park, Wyoming

FOR RELEASE AND USE PRESS
Tuesday AM EDITION

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Yellowstone Park, Wyoming, September 20: - Yellowstone National Park's current season is fast drawing to a close and when the last visitors are carried through on the park buses on September 25th the hotels and lodges will close their doors and the bookings will be sent into the Transportation Company's offices for a thorough overhauling this winter, so that they will be in readiness for the 1933 visitors.

Although the hotels and lodges will be closed there will be accommodations in the park for those who may care to brave the elements and make the park trip in comfort one week after Sept. 25th, the official closing date. The general stores and gasoline filling stations throughout the park will remain open as long as travel continues, which is usually until about the middle of October, and the bonafide camping in the automobile camp grounds will also be available for late visitors. Mr. C. A. Hopkins, the concessionaire who operates the Yellowstone Park Co. will have accommodations for about 40 people at the Canyon Lodge and for about 15 people at the Lake Hotel. Also meals will be obtainable at these points.

In view of road reconstruction work being done on the west side between Gardiner and Yellowstone will be closed to traffic after Sept. 20th, while the road traversing Hayden Canyon between Tower Junction and Yellowstone Junction will be kept open to traffic only about 3 or 4 days last week.

More than 30,000 people will have passed through the portals of the park and viewed and enjoyed its wonders before the final departure is made about September 25, 1932 season, which constituted an increase of about 30,000 over the last year. Thus, a new record for travel will be made for the Yellowstone.

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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO. 143

MONTHLY REPORTS

September, 1928

SEPTEMBER 1928

IMPORTANT

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STEPHEN T. MATHER,
Director.

U. S. GOVERNMENT PRINTING OFFICE: 1927 6-7410

October 5, 1928.

The Director,
National Park Service,
Washington, D. C.

Dear Mr. Director:

The following is my report on the activities of the National Park Service in Yellowstone National Park during the month of September 1928:

000 - General

From the standpoint of weather September 1928 was the most extraordinary month of September in the recorded history of the park. Not before has there been such a lack of precipitation and so many clear days. The so-called "equinoxial storm" which we have to figure on striking this park some time between the 10th and 20th of the month failed to materialize at all. While there were a few cold days around the 10th which somewhat upset plans we had made for the entertainment of some distinguished visitors the expected storm did not put in an appearance and the tourist season closed amid glorious weather. In the Yellowstone the fall months of September and October are really the most beautiful months of the year, at least many people who are devoted to the Yellowstone believe this to be so. I am one of those who think that autumn in the Yellowstone is about the most glorious time of the year anywhere.

The month saw the 1928 season come to an official close. As a matter of fact the park is still open to campers and there are some facilities available in addition to the stores and gasoline stations. For instance, food and lodging can still be secured at the Old Faithful store and at the Fishing Bridge housekeeping camp. The travel year also closed at the end of the month and as we have already advised you the total number of visitors who entered the Yellowstone during the year was 230,984, an increase of 30,159 over 1927, or approximately 15%. Travel in the month of September was unexpectedly good, there being an increase of 3,691 over the month of September last year.

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All of our construction projects progressed satisfactorily and we were looking forward with great expectations to what we would be able to accomplish in October and at least half of November when word came to us from Washington of the financial crisis which made necessary the withdrawal of all construction outfits engaged on force account work. The contractors made good progress on their various jobs. It looks even as though their work must be curtailed in view of the financial situation. Maintenance of the roads was kept up throughout the month and at the end of the season the roads were in very good condition. They still hold an enormous amount of oil and it looks as though we will be able to put them in excellent shape next spring without experiencing a good many of the disappointments and discouragements that are usually encountered. From personal observation and from all available reports it appears that the operators maintained good service until their establishments were closed down. The same can be said of the activities of the rangers and other National Park Service men engaged in public contact work. Until the very close of the park we were fortunate in having prominent and influential visitors in the Yellowstone, some of whom are capable of doing the park a great deal of good. Several times in the early part of the month the buffalo herd was brought down for exhibition and while everyone who wanted to see the herd had an opportunity to do so efforts were made to give some of our prominent visitors a chance to see the Lamar River Valley and the big herd, an unusual experience which is always appreciated.

Looking back on the season of 1928, it seems to us that it was eminently successful in every respect. We had a good organization, we had no complaints about our finances and while we suffered from bad weather in June the remainder of the summer was all that could be desired. We entertained an enormous number of people, 30,000 more than ever before. Both the National Park Service and the operators gave excellent service as attested by a large number of written compliments and favorable comment. The operators enjoyed good business and presumably made good profits. The improvements carried on made the park more attractive and put it in a better position to furnish better facilities next year and in a great many other directions the interests of the Yellowstone, its prestige and popularity were greatly advanced. We trust that our Washington superior officers are as pleased with the Yellowstone accomplishments of the year as we are.

100 - Administration

120 - Park inspections by

121 - Superintendent

I was at headquarters until the 3rd when I made a trip to Old Faithful to make a short speech of welcome to the Montana and Wyoming bankers who were holding their annual convention at that point. On the 4th I was again at Old Faithful with Dr. S. L. Rinehart and his wife, the famous author Mary Roberts Rinehart, and their son. At Old Faithful we attended

is wife.

the luncheon of the directors of the Dude Ranchers Association. In the afternoon I proceeded to Cody via the eastern gateway. On the 5th I met Secretary West's train and spent the morning with the Secretary and Congressman L. C. Cramton and the other Congressmen and Senators who were in the party. During the afternoon I returned to the park with Congressman Burton L. French of Idaho and Mrs. H. W. Johnson, the Secretary's sister. The following day I was engaged in entertaining the Secretary's sister, taking her to Old Faithful and while there made a very thorough inspection of the entire Old Faithful District. On the 7th we arranged for an exhibition of the buffalo herd and with the Rinehart party and Mrs. Johnson we visited the Buffalo Ranch and enjoyed the experience of going into the buffalo country on an old time stage coach. Mrs. Johnson left that night and I went back to the Silver Tip Ranch. On the 8th I returned to headquarters from the ranch and was here until the evening of the 11th when with Vernon Goodwin of the Camps Company I left for southern Utah. We were in Salt Lake on the 12th, joining Director Mather there and that night left for Cedar City. We were at Zion Park on the 13th, at Grand Canyon on the 14th, and 15th, at Bryce Canyon the 16th and returned to Cedar City the night of the 17th. The 18th was spent in Salt Lake City and with Mr. Goodwin and Mr. A. S. Houghton we returned to Yellowstone the morning of the 19th. That day with Mr. Houghton I made a tour of the park. I was at headquarters until the 22nd when I left for Cody for the Valley Ranch where I remained until the afternoon of the 24th. On the 28th and 29th Assistant Superintendent M. F. Daum and I made a trip to Jackson Hole covering all of the roads in that country and attending to a great deal of park business. We returned to headquarters the night of the 29th and spent the 30th here. Mr. Daum was Acting Superintendent in my absence and as usual was very active both at headquarters and in the park, making numerous trips of inspection into all sections of the park. Mr. Joffe also got into the park some during the month and was in charge while Mr. Daum and I went to the Jackson Hole.

123 - National Park Service officers

Mr. T. C. Vint, Landscape Engineer, came in via Gardiner on September 5 and left via Gardiner on the 15th with Mr. J. H. Brunson.

Mr. John R. Coffman, Fire Control Expert, came in via Gardiner on September 7 and left via the south gate on September 11th.

Mr. Carl P. Russell, Naturalist, Yosemite National Park, came in September 30th. He will be here for about a month and will then leave for the East on special museum work.

125- Other Governmental officers

Mr. J. H. Brunson arrived via Gardiner on August 16th and was here until September 15th when he left via Gardiner.

Mr. Berkeley Johnson, of the U. S. Geological Survey, Boise, Idaho, came in via West Yellowstone on September 10th.

[illegible]

150 - Equipment and Supplies

No decrease was made in the storehouse crew which issued practically the same amount of supplies as last month. As 12 camps were discontinued during the month much work was necessary in checking in the supplies and equipment of the various camps. No new equipment was received during the month.

170 - Plans, maps and surveys

A survey was started of the Mammoth water system in order to arrive at the best method of reconstructing the plant, and the survey crew was cut down to 3 men besides the crews on the construction projects.

180 - Circulars, bulletins, etc.

Copies of circulars issued during the month are attached hereto.

200 - Maintenance, Improvements and New Construction

Light maintenance work was discontinued from the 1st of the month as rapidly as possible and by the 15th only the one man graders were operating. These were taken off at the end of the month.

No oil for dust prevention was placed this month. We continued the experimental maintenance of the oil mat in an effort to arrive at the most practical and efficient method of getting oiled surface roads from our dust prevention work.

220 - Improvements

Carpentry Department: The carpenter foreman and his crew were engaged most of the month on new building construction. The last week or so they were moved to Mammoth and started the finishing of the set of quarters in building No. 12 and other small building maintenance jobs which had accumulated during the past two months.

Electrical Department: The electricians rewired Building No. 12 which is being remodeled into residence quarters; rewired the old mess house, and rough wired the new museum at Old Faithful. The experimental work and tests were continued on the Mammoth Power Plant in order to arrive at the probable condition of the plant which has been giving us considerable trouble during the past season.

The telephone crew completed rebuilding the telephone line between Mammoth and Tower Falls by rebuilding 4 miles of line this month. They reworked the line between Yancey's Ranch and Hellroaring Ranger Station. On the 23rd the crew of 22 men was reduced to 6 and started rebuilding the corners on the telephone line between Swan Lake Flat and Norris Junction which has been giving us so much trouble during the past few years.

Plumbing Department: The usual repairs were made on the sewer and water systems at Mammoth and the various auto camps in the Park.

Garage: No decrease was made in the number of trucks operated this month except on the 26th when the oiling fleet was disbanded. The entire time of the mechanics was required in the maintaining of the various pieces of equipment in running condition.

Paint Shop: The painting crew completed the exterior painting program for this season by painting two residences. Interior work was started and the interior of the garage was painted white.

230 - New Construction - roads

Good progress was made during the month on all projects.

West Gallatin-Grayling Creek Section: Work continued ahead from where it was opened up last month with the power shovel and 10 teams on the job. New work opened up consisting of a half mile stretch up the hill from Divide Creek Junction. Half of this section was completed. A power grader and 75 tractor were used on this work.

Mammoth-Norris: The relocation near Norris which was completed last month was surfaced with obsidian sand and new work was opened up at each end of this section. No new work was completed.

Norris-Madison Junction: The progress on this road has been very good with 1 shovel practically up to the top of the grade at Gibbon Falls and the other shovel past Beryl Springs towards Norris Junction. The finishing crew and the culvert crew have been filling up the work as fast as possible and practically all culverts and all rock head walls have been placed in the completed sections which are from the Gibbon Cascades to Beryl Springs and from the first bridge to the end of the project toward Norris Junction.

East Entrance Road: Cub Creek Section: This road has been practically completed this month except for a final cleaning up of the hillsides where they have been cluttered up by rock spalls. The project is in very good condition and will apparently give us very little trouble next spring as it is packed down very well under late fall traffic.

East Entrance road, Section "A": The power shovel at the lower end of the job has roughed in approximately one half mile of work and on the 21st two more shovels were moved to the job from the Cub Creek section. The concrete culverts were 100% completed this month with the completion of the construction of the rock head walls.

Oil Processing: The processing of 7 miles of the Lake Shore Road on the entire 12 mile project was completed, although due to lack of equipment at the start and the heavy traffic conditions encountered, the first 3 or 4 miles of the project were not thoroughly mixed and will have to be remixed this fall or next spring. The last mile, due to the stopping of construction, was not thoroughly mixed and will have to be handled the same as the above mentioned section. Approximately 100,000 gallons of heavy oil were placed this month.

[illegible] Insertion: The speed regulator only needs to be [illegible] when operator at machine and the working rate remains in the [illegible].

Energy: In [illegible] the machine is the energy of [illegible] [illegible] [illegible] on the [illegible] for [illegible] [illegible]. The [illegible] idea of the machinist was required in the [illegible] of the [illegible] [illegible] of equipment in varying conditions.

Total Power: The [illegible] were [illegible] [illegible] [illegible]

New Construction - buildings: Standard bunkhouses were completed this month at Morris and Madison Junctions, except for the partitioning. The mess house was completed except for the interior finishing and partitioning. The log bunk house at Lewis River was completed during the month. Construction is being continued on the Ranger Station at the South Entrance.

Construction of Fish Hatchery and rearing ponds by Bureau of Fisheries: This work has not proceeded satisfactorily, and at the end of the month the Bureau of Fisheries signified its intention to drop the construction of the rearing ponds for this year except perhaps the construction of one pond which work we are discouraging. We hope to cooperate to the extent of assisting in having the concrete floor poured in the Fish Hatchery before the crews are removed from that building.

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Sewer and Water System: No extension has been made in the sewer system but the water system at Lake has been extended to serve the new incinerator which is being built in that area.

Camp Ground Extension: The building of the comfort station at Thumb was completed this month and no other work was started.

Garbage Incinerator at Lake: Construction of this incinerator was started this month and all the concrete work was completed by the end of the month.

240 - Improvement of Approaches to Park

The Illinois Steel Bridge Company of Spokane, Washington, with an estimate of $61,947, was the lowest bidder on the new Gardiner bridge over the Yellowstone River. $63,000 is available for the project, of which $53,000 is Forest highway funds and $10,000 appropriated by Park County. The bridge will consist of a steel main span of 190 feet, of two 55-foot steel spans and two concrete spans of 40 feet each on each side of the steel spans. It is estimated that 485,000 pounds of structural steel, 66,000 pounds of reinforcement steel and 600 cubic yards of concrete will be used in the bridge.

A report from the office of the District Forester at Missoula says that the West Gallatin entrance from Bozeman to the park line through the Gallatin Forest will be completed this fall. It is also reported that contractors are at work on the Madison Canyon road which leads to West Yellowstone. This is part of the so-called Vigilante trail. We do not know how much money is being expended on this project.

While I was at Cody the other day I noticed that the contractors were at work on the section of road from the head of the Shoshone reservoir westward toward the park. It is said that the new contract will extend beyond the old red or Kelly bridge. There will remain 6 or 7 miles to be contracted and built before the State highway is reconstructed to the National Forest boundary.

260 - Landscape Work

The two outstanding features of the month from the landscape point of view are the wholesale destruction of trees on the Sylvan Pass-East Entrance section of road due to overloading a rocky point with powder which blasted a gash through the forest about an eighth of a mile long down to the bottom of the ravine and that due to a fire on the Gibbon Canyon road section 1/2 mile below the Gibbon Falls, which was started by evident carelessness by workmen leaving burning slashings during the noon hour.

The Gallatin road section, under supervision of the B.P.R., is almost complete. The typical road section which provides for a grade about a foot higher than the surrounding territory required deep ditches on both sides of the roadway which, in my estimation, are unsightly and unsafe for driving. It is hoped that this situation will not be repeated on the new work across similar level territory on the Gibbon Meadows this coming year. On the whole the Gallatin road work is satisfactory in its general appearance of cleanup and in the disposal of trap rock encountered in many stretches of the road.

The Cub Creek section on the East Entrance road is beginning to take on final appearances and will probably be ready for acceptance early in October. Considerable cleanup remains to be done in the matter of spalls outside the toe slopes and the plowing and breaking up of old roadways.

During Mr. Vint's visit early in September we worked out many problems of location for buildings and road changes, mainly at Old Faithful, West Thumb and Canyon.

Roadside cleanup of fallen timber, stumps, etc., by the Park Service is progressing very favorably along the Lake shore and on the Norris Junction-Mammoth Hot Springs road.

300 - Activities of other agencies in the park

315 - New contracts

The proposed amendment to the general franchise of the Haynes Picture Shops, Inc., was forwarded to Washington early in the month but up to the present time we have not received word that it has received executive approval.

400 - Flora, fauna and natural phenomena

410 - Ranger, naturalist and guide service

Ranger activities prior to the 20th (the official closing date of the tourist season) consisted principally of services to the public as outlined in the summer season duty schedule.

Transfers of men, equipment and transportation of supplies to winter stations were in progress during the last ten days of the month. Some delay has resulted on account of changes in the permanent ranger personnel but all stations will be fully garrisoned on or about October 15th, and all stations and cabins fully rationed and equipped on or before November 1st.

Special daily patrols for wild animal protection in the Thorofare or Upper Yellowstone district became effective on September 15th; these patrols will be made daily for a period of 60 days terminating at the close of the hunting season in Wyoming. The purpose of these patrols is to provide full and complete protection to all wild life within the park, to prevent trespasses by hunters on park lands and to cooperate with the State Game Department and Forest Service officials in the enforcement of law and department regulations on areas bordering the park. Rangers will cooperate in like manner with the Forest Service and with law enforcement officials of Montana and Idaho, and boundary patrols will be effective daily as follows:

North Boundary - October 15th to December 20th, West Boundary (West Yellowstone-Gallatin District) - October 15th to November 15th, West and South boundaries (Snake River District) - October 1st to 31st and December 1st to 15th.

Chief Ranger Hoeiring has been in charge of all ranger activities and personnel; the assistants chief ranger and station chiefs have been directly in charge of the work in progress in their respective districts, consisting in part of brush burning, general cleanup, removal and storage of signs and other government property, transporting winter supplies (rations and forage) to stations and cabins requiring pack horse transportation and providing all stations and cabins with firewood.

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Nature and Guide Formation Service:

1 9 2 8

Formation Guide Parties	June	July	Aug.	Sept.	Season Total
Old Faithful Hotel	1429	4003	2857	715	8904
Old Faithful Lodge	2150	10673	9649	472	22944
	3579	14676	12506	1187	31848
Mammoth Hotel	862	3643	4018	408	9731
Mammoth Lodge	718	2909	3115	882	7624
	1580	6552	7133	1290	17355
Canyon Hotel	776	2165	2703	23	5667
Canyon Lodge	1597	3998	3988	161	9744
	2373	6163	6691	184	15411
Grand total.....	7532	27391	27130	2661	64714
Nature Study Parties					
Old Faithful District	184	2144	3307	——	5635
Lake District	848	2614	2703	250	6415
Tower Falls District	14	524	267	16	821
Mammoth District	243	891	643	43	1820
Grand total.....	1289	6173	6920	309	14691

Compare the foregoing with the guide service report for the season of 1927.

1 9 2 7

Formation Guide Parties	June	July	Aug.	Sept.	Season Total
Old Faithful Hotel	1429	4437	5488	792	12149
Old Faithful Lodge	2111	8253	6921	1010	18195
	3540	12690	12409	1802	30344
Mammoth Hotel	406	1909	2951	661	5927
Mammoth Lodge	1090	2616	3204	41	6951
	1496	4525	5755	702	12878
Canyon Hotel	——	——	——	——	——
Canyon Lodge	——	——	——	——	——
	——	——	——	——	——
Grand total.....	5036	17215	18064	2527	42842

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1927

Nature Study Parties	June	July	Aug.	Sept.	Season Total
Old Faithful District	165	1183	1169	64	2581
Lake District	425	2405	2465	—	5295
Tower Falls District	48	396	619	—	1063
Mammoth District	64	604	437	—	1105
Grand total..	722	4588	4690	64	10064

Lecture Service: Report of attendance at lectures this season at Mammoth Hot Springs, Old Faithful, Yellowstone Lake, Tower Falls and Canyon, as authorized on previous schedules, is noted as follows:

1928

Place	June	July	Aug.	Sept.	Season Total
Mammoth District					
Hotel	1505	5543	6673	1162	14883
Lodge	990	7005	8795	882	17672
Public Auto Camp	1155	7755	7375	252	16537
	3650	20303	22843	2296	49092
Old Faithful District					
Bear Feeding Grounds	8600	35733	30039	2191	76563
Public Auto Camp	3395	12745	6885	840	23865
Lodge	——	——	9669	——	9669
Hotel	1210	5580	10400	1075	18265
	13195	54058	56993	4106	128352
Lake District					
Hotel	1520	4840	6010	385	12755
Fishing Bridge	840	5925	8265	110	15140
Lodge	905	6045	6[illegible]	355	14090
	3265	16810	21360	850	41925
Canyon District					
Bear Feeding Grounds	2938	9858	10018	775	23589
Lodge	2671	10233	6785	615	20304
	5609	29091	16803	1390	43893
Tower Falls District					
Camp Roosevelt	215	280	151	——	646
Auto Camp	——	2032	2111	140	4283
	215	2312	2262	140	4929
Mt. Washburn, summit Auto	——	6895	7560	540	14996
Thumb District Public Camp	——	1865	1395	——	3260
Grand total.....	25934	121644	128916	9122	285616

Auto Camp					4263

Compare the following ranger lecture service report for the season of 1927:

1 9 2 7

Place	June	July	Aug.	Sept.	Season Total
Mammoth District					
Hotel	1077	5600	6320	1645	14642
Lodge	1255	7990	11190	478	20913
Public Auto Camp	1150	6050	4860	—	12060
	3482	19640	22370	2123	47615
Old Faithful District					
Bear Feeding Ground	7400	32050	29550	3425	72425
Public Auto Camp	4408	16520	14308	1500	36736
Hotel	1581	7225	8565	435	17806
	13389	55795	52223	5360	126967
Yellowstone Lake District					
Lodge & public auto camp	2535	9055	7265	—	18855
Canyon District					
Bear feeding ground	1185	10550	7500	1350	20585
Tower Falls District					
Camp Roosevelt	60	600	1387	—	2047
Grand Total...	20651	95400	90745	8833	215609

420 - Museum Service

There were 5,748 visitors at the Museum and Information Office during the month as compared with 3,445 during September last year and 2,525 during September 1926. The season report by months is as follows: June 7,823, July 25,7 1, August 29,075 and September 5,748, a total of 68,487 as compared with 5,500 in June, 22,636 in July, 25,057 in August and 3,445 in September of last year, total of 57,438.

Approximately 115,000 free government publications were distributed at the information office and ranger stations during the season, and 5,010 government publications including 3,223 portfolios were sold as compared with 101,330 free government publications distributed and 5,906 government publications, including 1486 portfolios sold last year. Also, 937 books of other publishers were sold as compared with 898 last year, and 1027 during the season of 1926. The free government literature consisted of the following:

Figures for 1926-27 and 28 comparative

Title	1926	1927	1928
Rules and Regulations	44784	34645	35875
Manuals for Motorists	27165	34259	40194
Manuals for Rail Visitors	34700	32426	38931
Totals.....	106649	101330	115000

Comparison with Pittsburgh transport business operating statistics for the
[illegible] of 1940.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

The Mammoth Museum attendance stood up well until the 15th of the month when it was found practicable to shorten the hours. The Museum officially closed on the evening of September 20th. Work on the new museum at Old Faithful is progressing nicely. Work has been started on a relief map of the Upper Basin, geological charts, etc. Approximately 250 specimens of winter are stored in the Mammoth Museum preparatory to writing of labels. A series of dummy cases has been constructed which duplicate the finished cases in exhibit areas. This will facilitate the arranging and labeling of specimens throughout the winter. Mr. Carl Russell arrived on the 30th of the month on his way east to join Dr. Sampson where a careful survey of eastern museums and methods will be taken preparatory to assisting on the large museum to be constructed at Mammoth next year.

The sales report of the Information Office with comparative figures for the seasons of 1927 and 1928 is given in detail as follows:

Publications	1927 No.	1927 Sales	1928 No.	1928 Sales
Rules and Regulations	34,645			
Bulletin 611	8	8.00	14	14.00
Bulletin 612	14	7.00	20	10.00
Fishes	398	19.90	471	23.55
Fossil Forests	979	97.90	1276	127.60
Geysers	1313	131.30	1800	180.00
Geological History	1479	147.90	1892	189.20
Portfolios	1486	1486.00	3223	3223.00
U.S.G.S. Maps	229	57.25	314	78.50
	5906	1955.25	9010	3845.85
American Antelope	41	12.30	22	6.60
Bears of Yellowstone	11	27.50	18	45.00
Birds - Skinner	51	51.00	47	47.00
Chittenden, Y.N.P.	68	170.00	63	189.00
Haynes' Guide Book	459	329.25	461	345.75
Haynes' Guide Book, Deluxe			12	18.00
James Bridger	10	100.00	6	75.00
Langford's Discovery ($1.50)	19	28.50	15	22.50
Langford's Discovery ($ .75)	71	53.25	33	24.75
Nature Book	15	37.50	221	52.50
Oh, Ranger ($2.50)			145	362.50
Sierra Club Bulletin			1	.75
Trees and Flowers	85	63.75	40	40.00
Trees and Shrubs (.75)	15	11.25	23	11.50
Trees and Shrubs (.50)	33	16.50	13	9.75
Oh, Ranger ($2.00)			17	34.00
	858	$900.80	937	$1184.60
Total sales, Government and miscellaneous.....	41409	2856.05		

Summary of Educational Activities

Place	Field Trips No.	Field Trips Att.	Lectures No.	Lectures Att.	Museum Att.	Total Persons Served
Mammoth	367	18,480	752	49,032	68,487	136,059
Old Faithful	369	34,529	249	128,352		162,881
Canyon	297	15,411	157	43,893		59,304
Lake	80	5,295	155	26,845		32,140
Tower Falls	108	1,063	73	4,929		5,992
Fishing Bridge			68	15,140		15,140
West Thumb			33	3,260		3,260
Mt. Washburn			350	14,105		14,105
Head Ranger Naturalist lectures			7	725		725
Totals.....	1221	74,778	1344	286341	68,487	429,606

and flowers

430 - Zoo at Buffalo Corral

Approximately 59,800 people visited at the zoo and buffalo corral during the season as compared with 46,450 last year, and 44,025 during the 1926 season. The show herd of buffalo consisted of 11 bulls selected from the Lamar River herd. The other principal attractions were two captive bear, a white tailed deer, two badgers, a golden eagle, a coyote pup, and two yearling elk.

470 - Animals

Wild animal and forage conditions are excellent. The hay crop, 1684 tons, is more than sufficient for the normal winter season requirements. The forage crop has not been excelled in recent years.

Elk: The fall season drift has been very moderate thus far. A few small bands have appeared on the north slope of Mt. Washburn, on Specimen Ridge, Garnet Hill, and in the Upper Blacktail district in the vicinity of Storm Peak. Their condition is excellent.

Buffalo - Lamar River Herd: The fall season drift from their summer range occurred late in the month. A band of approximately 400 appeared on the meadows near the ranch house during the night of the 28th. Practically the entire herd is now assembled near the drift fence on Mt. Norris. This herd includes a surplus of about 100 steers that will be slaughtered and sold for market purposes this winter. The successful bidder, Mr. W. S. Custer, is a resident of Missoula, Mont.

Buffalo - Gold Creek-Pelican Creek Herd: There is nothing of interest to report at this time.

Bears - Black and Brown: Maximum counts of this species submitted in the July report gave a total of 227. The estimated total for the entire park area is 350.

Bears, grizzly: Maximum counts of this species submitted in the July report gave a total of 105. The estimated total for the entire park area is 140.

Depredations have occurred as usual, following the close of the tourist season, in the Canyon, Lake, and Old Faithful districts but the complaints thus far received do not indicate any considerable property loss or damage. An unusual incident occurred at the Cub Creek road camp in the evening of October 3rd. Eleven bears became involved in a fight over some garbage which was soon abandoned by all but two, a large brown and a somewhat smaller black, which continued with much sound, fury and violence for a period of about one hour. The black bear was finally killed by his larger and stronger opponent; the action provided a thrilling display of brute force which was witnessed by the entire personnel at the camp. Bear fights are not unusual but the actual killing of one by another has been rarely witnessed in this park.

Mountain Sheep: One hundred and seventy were counted in February 1928, the largest count of the year, as compared with 346 in 1927. The estimated total in the park at this time is 500 as compared with a total estimated at 650 last year. The losses have resulted principally from disease.

complaints

mutual out

Antelope: The largest count of the year was secured in December 1927: the total being 526. The estimated total at this time is 625. Herd conditions are excellent.

Deer: The largest count secured during the year was 822 as compared with 683 last year and 798 in 1926. All reports indicate a normal increase. The herd total is estimated at 2,000.

Moose: Roadside appearances since late in June have been less frequent than last year, but actual counts, totaling 111 in the Therefore, Sylvan Pass, Snake River, Gallatin, Upper Slough Creek, Soda Butte Creek, Upper Lamar River, Tower Falls, Grayling Creek, Norris, Mammoth and Firehole districts indicate their wide distribution. There is an estimated total of 650 in the park at this time.

Beaver: Beaver activities are comparatively normal. There has been no apparent increase or decrease in their numbers or in the range or extent of their activities during recent months.

Other small animals: There is nothing of interest to report at this time.

Predatory Animals: Two hundred and eighty-four coyotes were destroyed by rangers last year as compared with 258 in 1927 and 243 in 1926. Control work will be effective as usual this year, but we have no reports of accomplishments thus far.

Dogs: Nineteen hundred and five dogs were admitted at park gateways this season as compared with 1822 last year, 2230 in 1926 and 1948 during 1925. Admissions are authorized subject to the condition that they be kept on leash or crated at all times while within the park.

Fishing: Reports from exit stations show a total of 4222 fish taken from the lakes and streams of the park during the month, which together with 38,238 previously reported, makes a total of 42,460 this season (total catch reported by auto visitors at exit stations), as compared with 48,303 last year, 57,600 during the season of 1926 and 45,239 during the season of 1925.

This report does not include the catch by rail visitors or of persons residing in the park. The total catch by all visitors and by persons residing in the park is estimated at 67,000 as compared with 78,000 last year and 87,000 during the season of 1926. The early season catch this year was considerably below normal on account of flood water conditions in the lakes and streams.

Fish Planting: Fish planting activities during the year with comparative figures for 1926 and 1927 are noted as follows:

	1926	1927	1928
Trout collection of black spotted trout eggs from park waters.....	17,000,000	13,313,000	23,684,000
Number of eggs collected in park, hatched and returned to park waters and planted as eyed eggs..	5,891,000	5,113,000	8,347,000
Total fish shipped to outside points.....			
Total eggs shipped to outside points.....	8,494,000	5,983,000	10,614,000
Total.....	14,385,000	11,096,000	18,961,000
Total number of fish planted in park waters:			
Black spotted trout collected in park.....	5,891,000	5,113,000	8,347,000
Brook trout received from Bozeman, Mont., hatchery.....	.....	37,750	13,000
			*71,500
Rainbow trout received from Bozeman, Montana, hatchery.....	.....	52,500	98,800
Rainbow trout received from Saratoga Nye., hatchery.....	.....	16,000	.....
Total fish plants for year.....	5,891,000	5,219,000	8,530,300

Loss on eggs and fry this season ..... 4,723,000.

*Loch Leven trout from Bozeman, Montana, hatchery.

Total production of black quartz			
Total sugar cane grown [illegible]	[illegible]	[illegible]	[illegible]
Number of sugar mill[illegible] in parts, National and provinces in [illegible]	[illegible]	5,113 [illegible]	[illegible]
Total film imported in [illegible]			
Total sugar exported in [illegible]	[illegible]	[illegible]	[illegible]
Total [illegible]	[illegible]	[illegible]	[illegible]
Total number of film [illegible] in [illegible]			
Total [illegible]	[illegible]	[illegible]	[illegible]
Total [illegible]	[illegible]	37,730	[illegible]
Total [illegible]	[illegible]	[illegible]	[illegible]
Total [illegible]	[illegible]	[illegible]	[illegible]
Total [illegible]	[illegible]	[illegible]	[illegible]
Total film [illegible]	[illegible]	[illegible]	[illegible]

Loss on sugar and dry [illegible] ..... [illegible]

*Cash value [illegible] from [illegible] [illegible] in [illegible].

480 - Natural Phenomena

Mammoth Hot Springs: The month of September was characterized by an increase of thermal activity at Mammoth Hot Springs. This was in keeping with the trend of the activity for the past few months. The last week in the month saw Old Hymen Terrace with pools of water on it. This is the first that the spring has been active since the first of July of this year. Minerva has been slowly, though constantly, increasing all summer, and it continued the increase this month. The observer on September 30th was greatly delighted by the marvelous display of contrasting colors, such as green and peach, to be found on this terrace. The first part of the month saw an extremely small spring break out eight feet east of the base of Liberty Cap. A large spring broke out at the same time 50 feet east of the spring on Old Hymen Terrace. New Hymen has decreased in activity this month. New Highland Terrace has become very active and is still increasing that activity, there being quite a large flow of water from it now. A new spring has broken out just across the trail west from Glen Springs. During the first part of the month there was some overflow from the springs on Main Terrace, but by the last of the month there was no overflow. The large terrace southeast of Main Terrace is now completely dry with the exception of a small amount of standing water in the wall of the spring. There was observed little activity on White Elephant Back Terrace. The bats apparently have left Devil's Kitchen for the winter, for none were seen. A visit to Stygian Caves disclosed the fact that several birds have been killed by the smothering gas of the cave. There were found the bodies of 53 birds, including 13 juncos, 19 bodies of 9 other species as well as 21 bodies, the species of which could not be ascertained. There were no bodies in the cave on July 1st, 1928, all of the above having been killed since then.

Upper Geyser Basin: Nothing of special importance is to be reported from the Upper Basin with the exception of the eruption of the Giantess which has been inactive since July 30, 1927. The last eruption occurred at 6 p.m. on September 9th, playing for approximately 15 hours. Beehive has been very active during September, playing 5 times in 8 days. Castle has not been so active as early in the summer but is still erupting about once a day. Old Faithful is continuing to erupt with regularity except that the eruption continues to be higher than at the beginning of the season. One measured eruption was 168 feet in height. The interval of Riverside dropped (on the average) to seven hours from the seven and a half hour interval which it maintained during July and August. The new geyser near Twin Buttes is still active. The average time between eruptions varied, the interval averaging 15 hours and the period of activity ranging from 4-5 hours. Several abortive eruptions, lasting from 30 minutes to 2 hours further disturbed the regularity with which this geyser played during August. The Midget again became active, playing with double eruptions every 30 minutes for about a week after the Giantess played.

490 - Buffalo and Other Ranch Operations: Hay harvesting was concluded at Buffalo Ranch on September 3rd. Activities have since included the building of 8 new hay corrals, 150 x 150 feet and the rebuilding of 7 old corrals that were in a bad state of repair. Thirty cords of firewood have been hauled, cut and stored for winter use. Minor repairs have been made to the ranch and bunk houses and other buildings.

All machinery has been oiled and stored for the winter. There have been very few activities at the other ranches following the close of the haying season. The tonnage on hand at the various ranches is noted as follows:

Buffalo Ranch		930	tons
Slough Creek Ranches.....			
Upper Ranch.....	167		
Lower Ranch.....	220	387	tons
Game Preservation Ranchs			
New Hay 187			
Old Hay	78	265	tons
Yancey Ranch:			
New Hay.....	36		
Old Hay.....	20	56	tons
Gardiner Ranch:			
New Hay.....	16		
Old Hay.....	10	26	tons
	Total	1664	tons

This tonnage exceeds our normal requirements and is regarded as sufficient for our own winter season needs.

500 - Use of Park Facilities by the Public

510 - Increase or decrease of travel

The tourist season of 1928 officially closed on September 20th and the travel records were closed on the 25th. The grand total of all travel was 230,984. Compare with 200,825 last year and 187,897 during the season of 1926. The increase over last year was about 15%; there was a 22% increase over the travel of 1926.

A detailed statement of the travel this season is inclosed herewith and copies of same have been mailed to interested railway officials, particular friends of the park, concessioners of this and other parks and leading newspapers of the country.

Elsewhere we summed up the travel for the month of September and for the year. Of course it is customary for us to record travel by entrances and the total of the entrance registrations gives us the total number of visitors who use the park. The real measure of tourist traffic on the approaches to the park, however, is not the entrance travel but the combined entrance and exit travel and we find that the communities near the park are quite as much interested in the exit travel as they are in the entrance figures. I am giving below the figures we have compiled showing the use of the various gateways which as you will note is the sum of the entrance and exit travel. These figures have not been compiled heretofore but are very interesting, particularly as showing the trend of gateway development. You will note that the north entrance enjoyed the greatest increase in total usage, the south stood second in this rating, the east third and the west 4th:

	1927 Travel by Gateways			1928 Travel by Gateways			
Gateway	Entrance	Exit	Total	Entrance	Exit	Total	Increase
North	44,264	36,610	80,874	55,741	46,886	102,627	21,753
West	81,112	79,610	160,722	89,404	77,107	166,511	5,769
East	62,893	64,115	127,008	66,035	70,881	136,916	9,908
South	12,556	12,504	25,060	19,804	23,349	43,153	18,093
Preseason and Miscl. Unclassified		7,986	7,986		12,761	12,761	4,775
Total	200,825	200,825	401,650	230,984	230,984	461,968	60,318

520 - General Weather Conditions

521 - In the park

Fair weather was general throughout the month with temperatures averaging a few degrees below normal. This was the driest September of record and the driest of any month since November, 1899. About 3 percent of the normal precipitation occurred, the only measurable amount falling on the 30th. A light fall of snow occurred on 2 days, thunderstorms on 4 days.

Sunshine totaled 72% of the possible amount and was considerably above the normal. There were 10 clear days, 11 partly cloudy, 9 cloudy.

The wind movement was near normal with an average velocity of 6.6 miles per hour. The prevailing direction for the month was southwest. The maximum velocity was 36 miles per hour on the 6th.

540 - Visitors

Secretary of the Interior, Roy O. West, was in Cody on September 5 and came up the Cody road as far as the Shoshone dam, returning to Cody and thence to Powell to inspect the Shoshone reclamation project. He was accompanied by the Commissioner of Reclamation and other officials of the Reclamation Bureau and Congressman L. C. Crosser, Chairman of the Sub-Committee on Appropriations for the Interior Department, Hon. Burton L. French, Congressman from Idaho, who is on the same committee, United States Senators John B. Kendrick and F. E. Warren of Wyoming and Congressman Charles E. Winter of Wyoming. It was a great disappointment to us that this distinguished party could not have the time to visit the park, although Congressman French did go with me through the park to the train at Gardiner. Secretary West told me in 1926 his daughter and he visited Yellowstone Park, coming in at Gardiner, making the complete tour of the park and leaving via Cody.

Mrs. Bevelle West Johnson, sister of Secretary of the Interior Roy O. West, of 5643 Woodlawn Ave., Chicago, Ill., came into the park at the east gate on September 5. She left via Gardiner on the 7th.

Hon. Burton L. French, Congressman from Idaho, came in via the east gate on September 5 and left via Gardiner on the 5th. Mrs. Bevelle Johnson was with him as far as the Canyon. He left via Gardiner on the evening of the 5th for Moscow, Idaho.

Major General Hugh L. Scott of Princeton, N. J., came in via Gardiner on September 9th in the morning and left via Gardiner in the evening of the same day.

Mrs. Mary Roberts Rinehart, accompanied by Dr. S. M. Rinehart and their son Ted, arrived via Gardiner on September 3, and they left via Cody on the 10th. On the 7th they witnessed a buffalo stampede in the Lamar River Valley which was arranged for their special benefit.

[illegible] - [illegible]

[illegible] - [illegible]

[illegible] was [illegible] [illegible] [illegible]

Mr. Alfred H. Swayne, Vice President, General Motors, came in via Cody on September 4 and left via Gardiner on the 7th. He was accompanied by L. C. Horner, Asst. to the Vice President, General Motors, Mr. H. J. Costello, Western Traffic Manager, Great Northern Railway, Seattle, and Miss Swayne.

Mrs. Charles S. Dawson, wife of Senator Dawson of Illinois, accompanied by her daughter, Dina, entered the park at Gardiner, on September 9. They left via Cody on the 13th.

Mr. Joseph Himes, former Congressman from Ohio, came in via West Yellowstone on September 8 and left via the same gateway that evening.

Dr. Florence Lowther, Professor of Zoology, Barnard College, came in via Gardiner on the evening of September 5 and left via Cody on the 9th.

Mr. Sm. C. Gregg, Hackensack, N. J., who came in via Gardiner on August 21st, left via Gardiner on September 22nd.

Mr. Struthers Burt, of Bar B. C. Ranch, Moose, Wyo., came in via the southern entrance on September 7, and left via the same gateway on the 9th. Mr. and Mrs. Eric Pinker of London, England, were with Mr. Burt.

Mr. Frank P. Condit, Vice President, Title Guarantee & Trust Co., New York, came in via Cody on September 9 and left via Gardiner on the 14th.

Dr. H. H. Kerr, Washington, D. C., accompanied by his son Peter, came in via the west entrance on September 1 and left via Cody on the 10th.

Montana and Wyoming Bankers Associations held meetings in the park on September 3 and 4 at Old Faithful.

Western Dude Ranchers Association met at Old Faithful on Sept. 4. The following directors were present: L. H. Larom, Valley Ranch, A. H. Crosmquist, Vice President, Ernest Miller, Secretary-Treasurer, Paul Van Cleve, Big Timber, Fred Richards, Cody, Charles C. Moore, Lincoln, Wyo., L. J. Lambkin, Lincoln, Nebr. Mrs. Mary Roberts Rinehart and Mr. Albright attended as honorary guests.

Dr. Alfred A. Swayne, Vice President, General Secretary, from 1a via Indy to September 1 and left via Boston on the 12th in his absence; by L. H. Turner, left, to the Vice President, Daniel Gutsen, the 1a is operation, without further delay, that Northern Railway, 1a-Ill, and then Depew.

Mr. Theodore A. Bassett, via of Counsel Judge of Illinois, Governor pledge by the Daughter, Miss, without the pres of Gentlemen, on September 3, Indy left via Indy in the Ill.

Dr. Joseph Kemp, Grand Chairman from Ohio, been in the that Illinois in September 1 and left via the same pledge that weekly.

Dr. Clement Jeffers, President of Indiana, Thomas Delaney, was in the Decision on the meeting of September 1 and left via Indy on the 12th.

Mr. Ida A. Kemp Gutsenberg Jr. do, who was in the Decision on August 21st, left via Boston on September 22nd.

Mr. Jeffers left, at 7:00 P. M. Indy, Kemp, Kyre, Swan, in the the members attendance on September 1, and left via the same pledge on the 12th. Mr. Mrs. Ida Kyre Grand Chairman of Indiana Daughter, Mrs. Ida Kyre Boston.

Dr. Frank H. Conklin, Vice President, Ohio Gutsenberg & Swayne Co., Inc. Swan, was in the Indy on September 1 and left via Boston on the 12th.

Mr. H. H. Tracy, Indianapolis, Ind., accompanied by his son Arthur, was in the the pres meeting on September 1 and left via Indy on the 12th.

Dr. Mrs. Ida Kyre Gutsenberg and Mrs. Ida Kyre Gutsenberg left Indy on September 1 and 2 in the Pittsburgh.

Mrs. Ida Kyre Gutsenberg Jr. Mrs. Ida Kyre Gutsenberg left at the Pittsburgh on Indy, Ill. The Pittsburgh Gutsenberg were present in the Indy Indy, in the Grand Chairman, Mrs. Ida Kyre Gutsenberg, Jr. Mrs. Ida Kyre Gutsenberg, Jr. Mrs. Ida Kyre Gutsenberg, Jr.

600 - Protection
610 - Police Protection

No proceedings were had before the United States Commissioner during the month. Proceedings were had in 21 cases during the year. There were 20 convictions and 1 acquittal. A total of $781.00 in fines, exclusive of costs were imposed. There were 6 cases involving violation of traffic regulations, 7 cases involving violations of the Federal Prohibition Act, 3 cases involving violation of the fishing regulations, 2 cases, account of defacing the hot springs and geyser formations, 2 cases of assault, and 1 case of drunken and disorderly conduct.

620 - Fire Protection

Re. fire on Signal Hills (east shore of Yellowstone Lake). The fire was discovered on September 6 about 12:30 p.m. Assistant Chief Ranger Lick and Rangers Beggley and Yeager proceeded at once to the fire which was reported under control within a few hours and was finally completely extinguished on September 10. The time required to extinguish the fire was the equivalent of 11 days' work for one man. The expenses consisted only of rations, which cost $11.20. The fire was in a cluster of spruce trees near one of the hilltops and covered an area of about 1/4 acre. Twenty large trees were killed.

Re. Gibbon Canyon fire. Time, September 22, 1928. Place, 4-mile post east of Madison Junction, Madison-Norris highway. Fire was caused by violation of orders concerning the burning of brush and carelessness in permitting it to spread into the timber. The persons responsible were employees of the Morrison Knudsen road construction company. The fire area covered about 1/4 acre on the east side of the road and on the west side the width at the roadside is about 200 yards, extending into the timber for about 1/4 mile. The area is triangular in shape. The timber destroyed was of no particular value and the damage consists principally of fire scar by the roadside which considerably mars the view. Assistant Chief Ranger Douglas and Master Mechanic R. R. Robinson proceeded to the scene of the fire, arriving about 3 p.m. and remained there until 9 p.m. The principal expense consisted of the costs of driving the fire truck to and from the fire.

630 - Accidents

Mr. Frank Cleland driving N.P.S. truck #511 was forced into a ditch by a yellow bus which was passing another bus. Cleland was proceeding north and the buses south. All the buses were speeding on a down grade. The number of the bus was not secured. Time, August 28. Place, about 4-1/2 miles south of Mammoth on the Mammoth-Norris road.

Mr. R. L. Johnson of Big Timber, Mont., driving a Montana Chevrolet, license #44344, on September 5, on the Cooke City road about 11 miles from Tower Falls, ran into the Essex, Montana license #75338, driven by C. E. Varns, Livingston, Mont. Mr. Varns had stopped. The damage was slight. Mr. Johnson agreed to settle.

Mr. M. C. Pressey, driving Cadillac coupe, California license #1207319, backed into the Hudson car driven by Mrs. Frances Fish of Gardiner, Mont., on September 7, in front of Mammoth Lodge. Mr. Joseph F. Fish, husband of Mrs. Fish, appeared in the Chief Ranger's office as complainant against Mr. Pressey. After a great deal of argument, Mr. Pressey paid Mr. Fish $22.05 for a new fender and the labor to repair Mr. Fish's car.

The Yellowstone Park Camps Company truck #5 ran into the Studebaker, Montana license #54939, driven by Mr. Aaron Johnson of Livingston, Mont., crushing the left front fender, smashing the headlight and bending the bumper of the Studebaker. The truck apparently was undamaged. Mr. Johnson interviewed Mr. Moorman in regard to settlement. The accident occurred on September 9 at Silver Gate, Mammoth to Norris Highway.

Government truck #569, with survey party, collided with yellow bus. The driver lost control of the truck after passing the bus on a slippery road. The bus pushed the truck partly over the bank. Bus not to blame. This accident occurred on September 20 near Barrel Spring on Mammoth to Norris Highway.

Mr. Henry A. Asch, Deputy Bank Examiner of Honolulu, Hawaii, entered the park at Gardiner with his wife and son on September 29, spending that night at Old Faithful. The following day while proceeding from Old Faithful to Thumb Mr.Asch's car turned over before he reached the Continental Divide and injured his wife and boy. They returned to Old Faithful and the doctor at Mammoth was summoned. Mr. Anderson responded to the call and advised Mr.Asch to get his wife and boy to the hospital as soon as he could. Ranger McCarty took the party in his own car as far as Ashton, Idaho, in order that they might catch the train the following morning for Salt Lake City as there was no train service out of West Yellowstone except on Saturdays. Mr. Asch's car was also considerably damaged.

900 - Miscellaneous

Hospital and Medical Service: The following is a report of the patients admitted to the hospital, professional calls made in the park, and the miles traveled, during the month (from the 1st to 15th inclusive):

Total number of patients in the hospital.....	19
10 Sick	
3 Surgical (1 major, 2 minor)	
5 Accidents (3 major, 2 minor)	
1 Burn Case	
No. of miles traveled.....	1835
No. of professional calls in the park, majority employees...	30
No. of complete tours of the park, checking dispensaries, looking after guests and employees, majority employees..	3
No. of minor operations, dressings, etc., coming to the hospital.....	185
No. of calls upon nurses throughout the park dispensaries by employees and guests, majority employees.....	627

Post Office: The five postal stations in the park were closed on Sept. 15th, and the Star Route which connected them was also discontinued on that date.

The amount of business done at these stations during the tourist season has justified their existence, and in general they have been satisfactory, except in some cases where the contractors have changed clerks too frequently, and furnished clerks without experience. They have promised to remedy this trouble next year, however, by hiring back some of those that made good this year.

The result of the investigation of the needs at Old Faithful, made by Mr. E. R. Spilman, Superintendent, Division of Post Office Service, on August 6th to 8th inclusive, as mentioned in the August report, has been a decision to install a classified station at Old Faithful next year, with post office employees in charge. With this in view, Post Office Inspector C. E. Hansen, of this district, visited the park on September 25th to 27th and made a careful survey of the situation on which to base his recommendations regarding suitable quarters for this purpose.

The post office was as usual, moved from summer quarters in the old stone barracks, to winter quarters in the north end of the stone bachelor quarters, on September 30th.

Corrections: In the table of postal statistics in the August 1928 report the Item 700 shown as the approximate average population at Fishing Bridge should have been 730.

Church Services: Services were held in the Government chapel at Mammoth Hot Springs during September as follows:

Roman Catholic Masses at 6:00 a.m. and 8:00 a.m. on September 2nd and 9th.

Congregational services by Rev. S. E. McCarthy of Livingston, Mont., morning and evening of September 2nd as scheduled.

The Methodist minister from Livingston, Mont., Rev. Alexander P. Aiten, who was scheduled to hold services morning and evening of September 9th, decided at the last minute that he was not justified in leaving his own congregation, so there were no services on that date.

The same thing happened with the Baptist services advertised to be held on September 16th, by Rev. Thos. L. Hanley of Livingston.

- - - - -

Very truly yours,

G Superintendent.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

YELLOWSTONE National Park for the Month of SEPTEMBER 1928

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
IVATE TRANSPORTATION:						
rs first entry,	4355	54316	3552	45966	8350	18
rs reentry,	777	3712	631	2890	822	288
torcycles,	16	158	22	199	-41	-26
Total motor vehicles,	5148	58186	4205	49055	9131	19
rsons entering via motor hicles,	15271	186856	13227	157566	29290	19
rsons entering via other ivate transportation,	1818	2431	1037	1574	857	54
Total persons entering via private transportation,	17089	189287	14264	159140	30147	19
HER TRANSPORTATION:						
rsons entering via stages, rsons entering via trains,	5616	41697	4750	41685	12	.03
rsons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	22705	230984	19014	200825	30159	15

	This Year	Last Year	Increase Number	Increase Percent
tomobiles in public camps during month,				
mpers in public camps during month,				

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

T R A V E L R E P O R T

..... National Park for the Month of .....

	This Month	This Travel Year To Date	This Travel Year Last Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
PRIVATE TRANSPORTATION					
Are first entry,					
Are reentry, ...					
Motorcycles, ...					
Total motor vehicles, ...					
Persons entering via motor vehicles,					
Persons entering via other private transportation,					
Total persons entering via private transportation,					
OTHER TRANSPORTATION					
Persons entering via stages,					
Persons entering via trains,					
Persons entering otherwise,					
Total other transportation,					
GRAND TOTAL ALL VISITORS					

	This Year	Last Year	Increase Number	Increase Percent

Automobiles in public camps during month.
Persons in public camps during month.

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

YELLOWSTONE National Park for the Month of SEPTEMBER 1928

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
urrent generated, ...	74940.	255540.	74720.	244290.	11250.0	5%
old to park operators, . . .	18521.3	84815.2	21724.1	76375.5	8439.7	11%
old to others, ...						
urnished to other Governmental agencies, ...						
sed by National Park Service, lost in transit, etc., . . .	55418.7	170724.8	52995.9	167914.5	2810.3	2%
Total current generated, . .	74940.0	255540.0	74720.0	244290.5	11250.0	5%

mount receivable from the sale of electricity, ... $ 926.06

Indicated by K. W. H.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

"ELECTRICITY GENERATED, SOLD, USED, ETC.

YELLOWSTONE ..... National Park for the Month of SEPTEMBER 1928

	This Month	Since Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
urrent generated, ...	74940.	2555940.	74720.	2442905.	11250.0	5%
old to park operators, . . .	18521.3	848159.2	21724.1	763755.5	8439.7	11%
old to others, ...						
urnished to other Governmental agencies, ...						
ed by National Park Service, lost in transit, etc., . . .	55418.7	1707240.8	52995.9	1679150.5	2810.3	2%
Total current generated. . .	74940.0	2555940.0	74720.0	2442905.5	11250.0	5%

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mount receivable from the sale of electricity, ... $ 926.06

Indicated by K. W. H.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

YELLOWSTONE National Park for the Month of SEPTEMBER 1928.

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
Mammoth-Norris	85	10	8	
West Gallatin	52	12	10	

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

S T A T U S O F A U T H O R I Z E D P R O J E C T S

Yellowstone Park, Wyo.

Yellowstone National Park for the Month of 1938

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Priority Date of Authorization
Roads-Trails	85	10	8	
Visitor Facilities	92	12	10	

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

YELLOWSTONE National Park for the Month of SEPTEMBER 1928

	This Month	This Month Last Year
Number of employees beginning of month,	119 ~~120~~	94
Number of additions, ...	1	2
Total, ...	120 ~~119~~	96
Number of separations, ...	50	33
Number of employees close of month, . .	70	66
Number of promotions during month	00	00
Aggregate amount of annual leave taken,	88	45½
Aggregate amount of sick leave taken,	5	15
Aggregate amount of leave without pay,	00	0

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of June

	This Month	This Month Last Year
Number of employees beginning of month.	120	54
Number of additions.	1	2
Total.	119	52
Number of separations.	20	17
Number of employees close of month.	99	35

Number of promotions during month 4 0

Aggregate amount of annual leave taken. 80 40

Aggregate amount of sick leave taken. 3 15

Aggregate amount of leave without pay. 0 0

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

YELLOWSTONE National Park for the Month of SEPTEMBER 1928.

	This Year	Last Year
Park revenue on hand beginning of month,	None	None
Received,	15,080.49	18,327.18
Total,	15,080.49	18,327.18
Remitted,	15,080.49	18,327.18
On hand close of month,	None	None

Park revenues received this year to date,	$144,835.74
Park revenues received last year to date,	123,633.15
Increase,	21,202.59
Percent of increase,	5+

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

[illegible] National Park for the Month of [illegible]

	This Year	Last Year
Park revenue on hand beginning of month	[illegible]	[illegible]
Received	[illegible]	[illegible]
Total	[illegible]	[illegible]
Remitted	[illegible]	[illegible]
On hand close of month	[illegible]	[illegible]

Park revenues received this year to date, ... [illegible]

Park revenues received last year to date, ... [illegible]

Increase, ... [illegible]

Percent of increase, ... [illegible]%

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

September, 1928.

REPORT OF SALES OF PUBLICATIONS

	Number	Value
VERNMENT PUBLICATIONS:		
hand beginning of month	130	28.50
ceived during month	772	356.80
Total	902	385.10
ld during month	902	385.10
On hand at close of month	—	—
N-GOVERNMENT PUBLICATIONS:		
hand beginning of month	64	88.80
ceived during month	11	30.60
Total	75	119.40
ld during month	75	119.40
On hand at close of month	—	—
sh on hand beginning of month		35.50
les during month		504.50
Total		540.00
mitted during month		540.00
Balance		—

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Washington, 1936.

REPORT OF SALES OF PUBLICATIONS

GOVERNMENT PUBLICATIONS:		
On hand beginning of month	130	26.50
Received during month	177	324.00
Total	307	350.50
Sold during month	307	350.50
On hand at close of month	—	—
NON-GOVERNMENT PUBLICATIONS:		
On hand beginning of month	64	[illegible]
Received during month	11	[illegible]
Total	75	119.40
Sold during month	75	119.40
On hand at close of month	—	—
On hand beginning of month		35.50
Received during month		[illegible]
Total		[illegible]
Disbursed during month		540.00
Balance		—

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

YELLOWSTONE National Park for the Month of SEPTEMBER 1928

	This Month	This Month Last Year	Increase	Percent Increase
OCAL BUSINESS				
iles of circuit maintained,				
o. of telephones connected,				
o. of measured service calls,				
o. of other local calls,				
otal No. of local calls,	13065	15949	-2884	-.18
eak load in calls per day,	670	733	- 63	-.085
eceipts from measured service calls,				
" " coin boxes,				
" " telephone rental,				
TOTAL RECEIPTS				
ONG DISTANCE BUSINESS				
o. Outbound calls,	132	77	55	.71
o. Inbound calls,	96	78	18	.23
TOTAL LONG DISTANCE CALLS				
eak load in calls per day,	20	10	1	.05
eceipts from Long Distance business,	$79.20	$8.50	$70.70	.10
[illegible] accrues to the Mountain States Telephone & Telegraph Co.)				
ELEGRAPH BUSINESS				
essages via Western Union,				
essages via				
TOTAL MESSAGES				
eceipts from telegraph business,				
o. of money transfer messages,				
" " " " receipts,				
OTAL RECEIPTS TELEPHONE & TELEGRAPH DEPTS-				

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

National Park for the Month of _____ 19__

	This Month	This Month Last Year	Increase	Percent Increase
L BUSINESS				
s of circuit maintained,				
of telephones connected,				
of measured service calls,				
of other local calls,				
l No. of local calls,				
load in calls per day,				
ntts from measured service calls				
" coin boxes,				
" telephone rental,				
TOTAL REGEIPTS				
DISTANCE BUSINESS				
utbound calls,				
Inbound calls,				
TOTAL LONG DISTANCE CALLS				
load in calls per day,				
ipts from Long Distance business,				
ph BUSINESS				
ages via Western Union,				
ages via				
TOTAL MESSAGES				
ipts from telegraph business,				
of money transfer messages,				
" " " receipts,				
L RECEIPTS TELEPHONE & TELEGRAPH DEPTS-				

DEPARTMENT OF THE INTERIOR
National Park Service
Yellowstone Park, Wyoming

September 1st, 1928

CIRCULAR NO. 15

Terminations of service of Park Rangers, during the tourist season of 1928, have occurred or will occur as follows:

Name and Station	Date of Release from Service
MAMMOTH STATION	
Charles A. Green	September 30th
Sherman Pratt	" 15th
Gordon Mullen	August 8th
G. Byron Doane	" 26th
Gaylord I. Chamberlain	" 26th
Joseph Shirley	September 20th
Edward N. Jones	" 5th
Edward A. Flottman	August 26th
Franklin W. Wakefield Jr.	September 20th
Dell W. Cook	October 15th if needed
Newell T. Joyner	September 20th
Gerald E. Marsh	" 15th
Walter M. Purvis	" 15th
Ruby H. Anderson	October 1st, or later
Fredrick W. Woerner	September 20th, or later
GARDINER STATION	
Frances E. Pound	September 20th
Vincent H. Clark	" 1st
WEST YELLOWSTONE STATION	
George D. Keyser Jr.	August 31st
Hamlin R. Crunk	September 20th
Hugh L. Scott II	" 1st
SYLVAN PASS STATION	
Irene M. Wisdom	September 20th
Robert Spell	" 20th, or later
Marion T. Ball	" 8th
SNAKE RIVER STATION	
Leon Poore	September 20th, or later
Kendrick H. Melvet	" 20th, or later
William R. Baker	" 1st
NORRIS STATION	
Rudolph M. Hulfinger	August 15th
Robert W. Wagstaff	September 12th

Name and Station	Date of Release from Service
MADISON JUNCTION STATION	
Howard L. Kirk	August 31st
Ralph V. Herron	September 20th
FOUNTAIN STATION	
David H. Ross	September 1st
Lewis P. Newby	" 10th
OLD FAITHFUL STATION	
Donald A. Holm	September 15th
Joe J. Way	" 20th
Willis N. Mills	" 15th
William R. Burdison	August 13th
George C. Ruhle	September 12 th, or later
Fred R. Morrell Jr.	" 15th
Arthur Chapman	" 15th
George A. May Jr.	" 15th
Herma G. Albertson (without appointment)	August 31st
THUMB STATION	
Richard C. Gill	September 20th, or later
LAKE STATION	
Harry M. Kelly	September 5th
Robert B. Walton	" 15th
John T. Milburn	" 10th
Fred R. Isackson	" 10th
Dudley Hayden	" 20th, or later
CANYON STATION	
Gerrit Dommink	September 10th
Robert W. Peterson	" 20th
Arnold F. Settlage	" 10th
Lowell G. Biddulph	" 1st
Paul R. Wylie	" 1st
John R. Burbidge	" 10th
Alvin L. Smith	" 20th
DUNRAVEN PASS STATION	
Frank H. Smith	September 8th
J. Grover Matney	" 12th
TOWER FALLS STATION	
James L. Johnston	September 15th
Lawrence Kolloen	" 20th
Wyne B. Whitlow	August 9th

Name and Station	Date of Release from Service
Heart Lake Cabin	
Arthur W. Soper	September 10th.
Special Duty Assignments	
Damon E. Corbin	June 29th
Roger L. Duncan	July 9th.

The fall and winter season duty assignments of Park Rangers have been made tentatively as follows:

Mammoth Station

Sam T. Woodring, Chief Park Ranger, In charge of all ranger activities and personnel.
Julius L. Greer, Assistant Chief Ranger, In charge of the Chief Ranger's Office and such general and special duties as the Chief Ranger may direct.
Harry Trischman, Assistant Chief Ranger. In charge of the Northern Supervisory Territory.
Edward J. Bruce, General duty in the Headquarters District.
Robert H. Baker, Special duties in connection with the museum establishment and special patrols to the Norris, Lower, and Upper Geyser Basins pursuant to a schedule to be prepared

Gardiner Station

Thad C. Pound

Gallatin Station

Lee Cottrell

Riverside Station

Joseph Douglas, Assistant Chief Ranger, In charge of the Western Supervisory Territory.
George W. Miller, In charge of Station.
Roy T. Frazier

Bechler River Station

Albert T. Bicknell
George Winn

Snake River Station

James N. Dupuis
Rudolph L. Grimm

Sylvan Pass Station

Roby Roy Wisdom

Yellowstone Lake Station

Harry J. Lick, Assistant Chief Ranger, In charge of the Southern Supervisory Territory
Guy E. McCarty, In charge of Station
Francis D. LaNoue
Roy G. Dale
W. Ward Yeager

Cooke Ranger Station

Clifford L. Anderson

Soda Butte Cabin

John Bauman

Upper Slough Creek Station

James McBride

Hellroaring Station

George F. Baggley
John S. McLaughlin

Tower Falls Station

Everett L. Arnold

Predatory Animal Hunter and Trapper

Edward E. Ogston

Unassigned.

Walter P. Martindale
Thomas C. Parkinson
Roy C. Brown

No assignments have been made to the Game Preservation Ranch, Crevice and Old Faithful Stations.

The Station assignment and schedule of duties for Park Ranger, Marguerite L. Arnold have not been determined thus far.

Final decision has been withheld regarding a few of the foregoing assignments and rangers will make no definite arrangements until further advised.

HORACE M. ALBRIGHT,
Superintendent.

Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyo.

September 10, 1928.

CIRCULAR NO. 16:

The following will constitute the Yellowstone Park School Board for the school term which began on September 4, 1928;

Dorr G. Yeager - Chairman

Mrs. Horace M. Albright

Mr. A. C. Neumann

Horace M. Albright
Superintendent.

Copies to:

Mr. Trischman
" Anderson
" Beatty
Mrs. Green
Mr. Bowman
Mr. Biastoch
Mr. Wiggins
Mr. Neumann
Mr. Dale
Mr. Daum
Mr. Yeager
Mr. Albright
Mr. Lindelef
Mr. Sprinkel.

Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyo.

September 10, 1928.

CIRCULAR NO. 14:

The following will constitute the Yellowstone Park School Board for the school term which began on September 4, 1927:

Dorr G. Yeager - Chairman

Mrs. Horace M. Albright

Mr. A. C. Newmann

Horace M. Albright
Superintendent.

Copies to:

Mr. Trisoman
" Anderson
" Neely
Mrs. Dunn
Mr. Norman
Mr. Blackson
Mr. Higgins
Mr. Newmann
Mr. Nale
Mr. Dorr
Mr. Yeager
Mr. Albright
Mr. Albright
Mr. Superintend.

Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

September 11, 1928.

CIRCULAR NO. 17.

Effective Sunday, September 16th, the winter schedule for telephone operators will go into effect with shifts as follows:

	OPERATOR	FROM	TO	HOURS
1.	Mrs. Edwin and Mrs. Joffe	7.30 A. M.	12.00 Noon	4½
2.	Mrs. Allan	12.00 noon	6.30 P. M.	6½
3.	Mrs. Edwin and Mrs. Joffe	6.30 P. M.	8.30 P. M.	2

It is understood that Mrs. Edwin and Mrs. Joffe will alternate days on the switchboard. Until such time as Mrs. Joffe is available for the switchboard work Mrs. Fincher will take her shifts.

Should there be any deviation at all from this schedule, the superintendent's office should be so advised. The superintendent's office should know at all times what operator is supposed to be on the switchboard.

Horace M. Albright
Superintendent

/jj

Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming.

September 19, 1928.

Circular No. 18.

Effective immediately, Park Ranger Robert M. Baker is assigned to the quarters formerly occupied by Anthony Motchenbach, next to the Trischman residence.

Horace M. Albright
Superintendent.

DIETER
BINDS
BETTER